

WHAT IS CLAIMED IS:

- 1                   1.       An antibody or binding fragment thereof which specifically binds  
2   MCP-1 receptor polypeptide, wherein the polypeptide comprises the amino acid sequence of  
3   SEQ ID NO: 2.
- 1                   2.       The antibody of claim 1, wherein the antibody is labeled with a  
2   detectable label.
- 1                   3.       The antibody of claim 2, wherein the detectable label is a radioactive  
2   isotope.
- 1                   4.       The antibody of claim 1, wherein the antibody is a monoclonal  
2   antibody.
- 1                   5.       The antibody of claim 1, wherein the antibody is a humanized  
2   antibody.
- 1                   6.       A cell line producing the monoclonal antibody of claim 4.
- 1                   7.       The cell line of claim 6 that is a eukaryotic cell line.
- 1                   8.       The cell line of claim 6 that is a prokaryotic cell line.
- 1                   9.       A method of making an antibody that binds MCP-1 receptor  
2   polypeptide comprising:  
3       (a) immunizing an animal with the polypeptide comprising SEQ ID NO: 2;  
4       (b) isolating antibody-producing cells from the animal;  
5       (c) fusing the antibody-producing cells with immortalized cells in culture to form  
6   monoclonal antibody-producing hybridoma cells;  
7       (d) culturing the hybridoma cells; and  
8       (e) isolating from the culture monoclonal antibodies which specifically bind to the  
9   MCP-1 receptor polypeptide.
- 1                   10.      A composition comprising an antibody according to claim 1, and a  
2   pharmaceutically acceptable carrier.

1                    11.     The antibody of claim 1, wherein specific binding of the antibody or  
2     the binding fragment to the MCP-1 receptor polypeptide results in neutralization of activity  
3     of the MCP-1 receptor polypeptide.

1                    12.     An antibody made by the method of claim 9.